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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/078,284	02/15/2002	Serge Vanhaelemeersch	IMEC238.001AUS	3438	
20995	7590 11/05/2003		EXAM	EXAMINER	
KNOBBE M	ARTENS OLSON &	BEAR LLP	ESTRADA, MICHELLE		
2040 MAIN S	TREET		<del></del>		
FOURTEENT	H FLOOR		ART UNIT	PAPER NUMBER	
IRVINE, CA	92614		2823		
			DATE MAIL ED 11/06/200	_	

DATE MAILED: 11/05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application N .	Applicant(s)	
	10/078,284	VANHAELEMEERSCH ET A	L.
Office Action Summary	Examiner	Art Unit	
	Michelle Estrada	2823	
The MAILING DATE of this commu	inication appears on the cover sheet w	ith the correspondenc address	
A SHORTENED STATUTORY PERIOD THE MAILING DATE OF THIS COMMUN  - Extensions of time may be available under the provisior after SIX (6) MONTHS from the mailing date of this com  - If the period for reply specified above is less than thirty  - If NO period for reply is specified above, the maximum of the period for reply within the set or extended period for reply  - Any reply received by the Office later than three months earned patent term adjustment. See 37 CFR 1.704(b).  Status	NICATION.  ns of 37 CFR 1.136(a). In no event, however, may a numunication.  (30) days, a reply within the statutory minimum of this statutory period will apply and will expire SIX (6) MO by will, by statute, cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).	
1) Responsive to communication(s)	filed on <u>29 Se<i>ptember 2003</i></u> .		
2a)☐ This action is <b>FINAL</b> .	2b)⊠ This action is non-final.		
	on for allowance except for formal ma ctice under <i>Ex parte Quayle</i> , 1935 C		5
4)⊠ Claim(s) <u>1-36</u> is/are pending in the	annlication		
4a) Of the above claim(s) <u>31-36</u> is/a			
5) Claim(s) is/are allowed.	are withorawn from consideration.		
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) 1-30 are subject to restrict	tion and/or election requirement.		
Application Papers			
9) The specification is objected to by the	ne Examiner.		
10) The drawing(s) filed on is/are	:: a) ☐ accepted or b) ☐ objected to by	the Examiner.	
Applicant may not request that any of	bjection to the drawing(s) be held in abey	ance. See 37 CFR 1.85(a).	
11) The proposed drawing correction file	ed on is: a)☐ approved b)☐ o	disapproved by the Examiner.	
If approved, corrected drawings are re			
12) The oath or declaration is objected t	o by the Examiner.		
Priority under 35 U.S.C. §§ 119 and 120			
13) Acknowledgment is made of a claim	•	§ 119(a)-(d) or (f).	
a) All b) Some * c) None of:			
	y documents have been received.		
	y documents have been received in A		
	s of the priority documents have been national Bureau (PCT Rule 17.2(a)).		
14) Acknowledgment is made of a claim	·		on).
a) The translation of the foreign la	nguage provisional application has b	een received.	
15) Acknowledgment is made of a claim	for domestic priority under 35 U.S.C.	§§ 120 and/or 121.	
Attachment(s)	<b></b>	O	
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (I 3) Information Disclosure Statement(s) (PTO-1449)	PTO-948) 5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)	
U.S. Patent and Trademark Office PTOL-326 (Rev. 04-01)	Office Action Summary	Part of Paper No. 2003102	7

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## Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-15, drawn to a method of making a semiconductor device, classified in class 438, subclass 637.
- Claims 16-30, drawn to a semiconductor device, classified in class
   257, subclass 211.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by another and materially different process such as one that forms a conformal barrier layer and etches the barrier at the bottom of the trench by anisotropic etching.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

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Applicant is advised that the reply to this requirement to be complete must

include an election of the invention to be examined even though the requirement

be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Michelle Estrada whose telephone number is

(703) 308-0729. The examiner can normally be reached on Monday through

Friday.

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Olik Chaudhuri can be reached on 703-306-2794. The

fax phone numbers for the organization where this application or proceeding is

assigned are 703-308-7722 for regular communications and 703-308-7724 for

After Final communications.

Any inquiry of a general nature or relating to the status of this application

or proceeding should be directed to the receptionist whose telephone number is

703-308-0956.

Primary Examiner

Art Unit 2823

October 27, 2003